

Ecosystems
Grade 7 Science
Mrs. Astbury

Chapter 25 - Science Insights - Organisms and their Environment

page

Ecosystem - an area in which living things interact with one another and with their environment. Energy flows through an ecosystems through interactions among the organisms in it.

Examples:

- 1.
- 2.
- 3.

Biotic Factors - the living parts of an ecosystem: plants, animals, bacteria, fungi, insects

Abiotic Factors - non living parts of an ecosystem

1. temperature
2. sunlight
3. water
4. soil
5. air
6. substrate - features of the ground

Communities

1. Definition
2. Biotic relationships
3. Abiotic factors

Populations

1. Definition
2. Examples (2)
3. Ways populations interact

Habitats and Niches

1. Habitat definition
2. Habitat example
3. Niche definition
4. Niche example

Niches and Adaptations

How does an organism's habitat affect its niche? Explain in a sentence.

Section 25.2 - Food and Energy

1. Food chain
2. Producer

3. Consumer

4. Decomposer

5. Food Chain - Identify each part of the food chain example on page 543

Producer

Consumer (3)

Decomposer

6. Food Webs

1. Definition

2. How is a food web different than a food chain?

3. What is a first level consumer?

4. What is a second level consumer?

7. Energy Pyramid

1. Definition

2. Explain how the energy flows in the energy pyramid on page 545.

3. What happens to the level of energy as you go up the pyramid?